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Guide to Writing Abstract of Nanoarchitectonics Using Suprainteractions

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1. Introduction

The region between nanometers and submicrons is a frontier for material fabrication technology of today[1], but this region is bordered by physical and technical restrictions such as the diffraction limit in beam technology on the submicron scale and limited throughput of atom manipulation using scanning probes on the nanometer scale. In order to overcome these difficulties, the use of self-assembling of atoms, molecules, and other structural units has been thoroughly investigated[2]. However, although local or short-range interactions among atoms, molecules and their clusters have been understood quite well, nonlocal or long-range interactions among the structural units as well as larger structural units have not, even though the latter interactions are often more important for controlling the structure of materials formed by self-assembling[3].

2. Expeimental

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References

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[2] J. Tanaka, in "Introduction to Nanoarchitechtonics" (Eds. M. Aono and M. Tsukada, Springer, Tokyo, 2002) p.146.

[3] M. Jackson, Proc. 3rd. Int. Symp. Nanoarchitechtonics Using Suprainteractions, Santa Fe, USA, 2003, **3** (2004) 100.

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